Joint Unmanned Aircraft System Center of Excellence

11 Jan 07

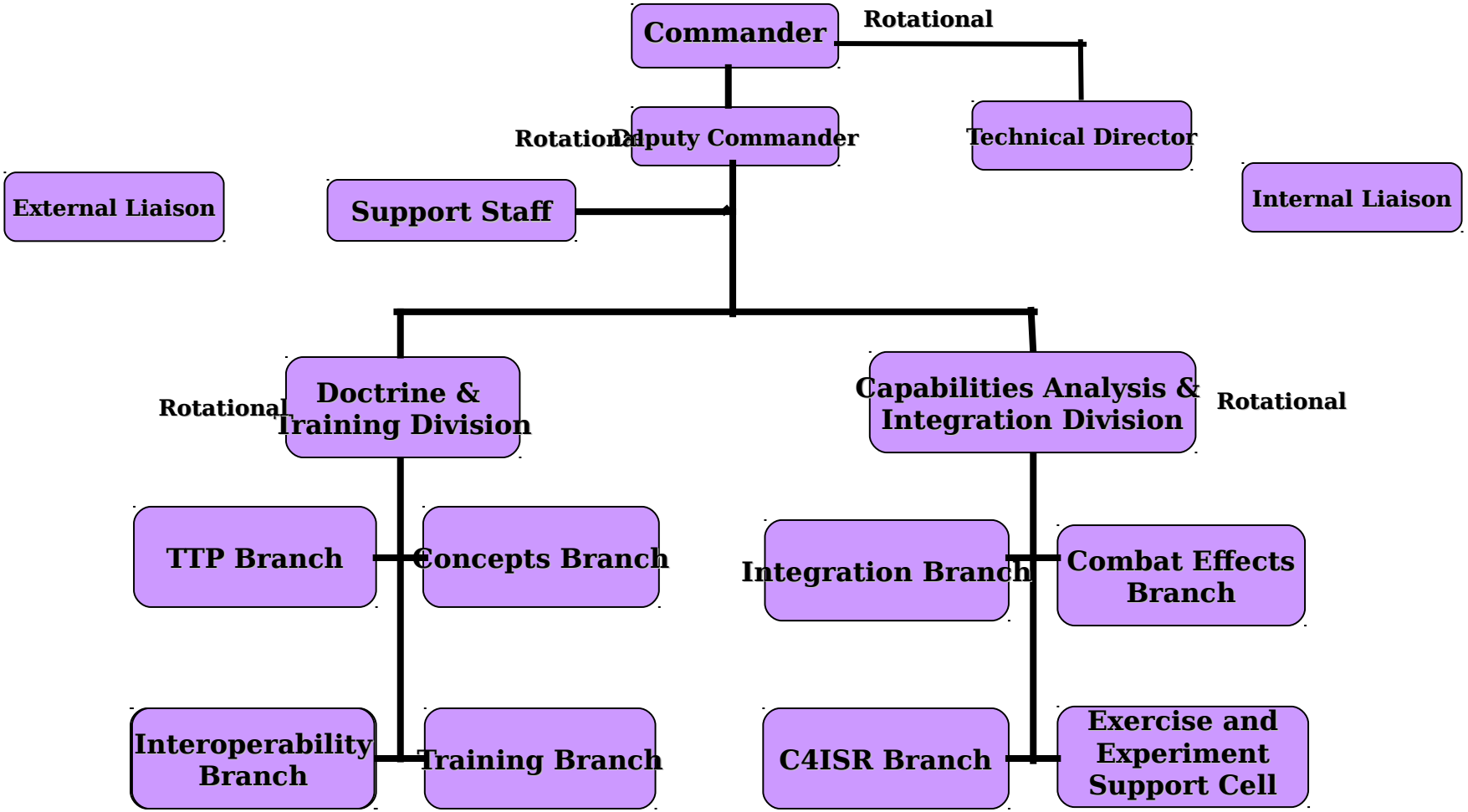
Mission Statement

Joint Unmanned Aircraft System Center of Excellence (JUAS COE) provides support to the Joint Operator and Services by facilitating the development and integration of common unmanned aircraft system operating standards, capabilities, concepts, technologies, doctrine, tactics, techniques, procedures and training. JUAS COE leverages existing Service initiatives and activities to provide joint integrated solutions and improved interoperability.

JUAS COE Charter

- ***Develop*** **Joint CONOPS, TTPs, and doctrine**
- ***Review*** **service and COCOM capabilities requirement submissions into Joint Capabilities Integration and Development System (JCIDS) process**
- ***Facilitate*** **integration of UAS capabilities into joint and component training and exercises**
- ***Address*** **airspace integration, joint command and control, and spectrum management issues**
- ***Coordinate*** **efforts with the Joint UAS Material Review Board (JUAS MRB)**
- ***Develop*** **and orchestrate experiments, exercises, and demonstrations**

JUAS COE
Organization Framework and Manning



Organization Framework and Manning

Current Manning Status (Authorized/Present)

	O-7	O-6	O-5	O-4	O-3	CW5	CW3	E-7	E-6	GS	Cont	Total
USA	1* / 1	1* / 1	3 / 2	4 / 3		0 / 1	0 / 1	3 / 3				12 / 12
USMC			2 / 0	1 / 0					1 / 0			4 / 0
USN		1* / 0	1 / 1	7 / 1	0/1			2 / 0				11 / 3
USAF		1* / 1	3 / 3	3 / 1				3 / 0	1 / 0	6 **/ 0		17 / 5
Cont											20/ 24	20 / 24
Total	1 / 1	3 / 2	9 / 6	15 / 5	0/1	0 / 1	0 / 1	8 / 3	2 / 0	6**/ 0	20 / 24	64 / 44

* **Rotational billets: Commander, Deputy Commander, Division Chief (2)**

** **FTE transferred to Executive Agent (Air Force) FY 07**

USN Start-up Assist: 2 Civil Service Assignments in FY06

50% of authorized manning achieved on 1 September 2006

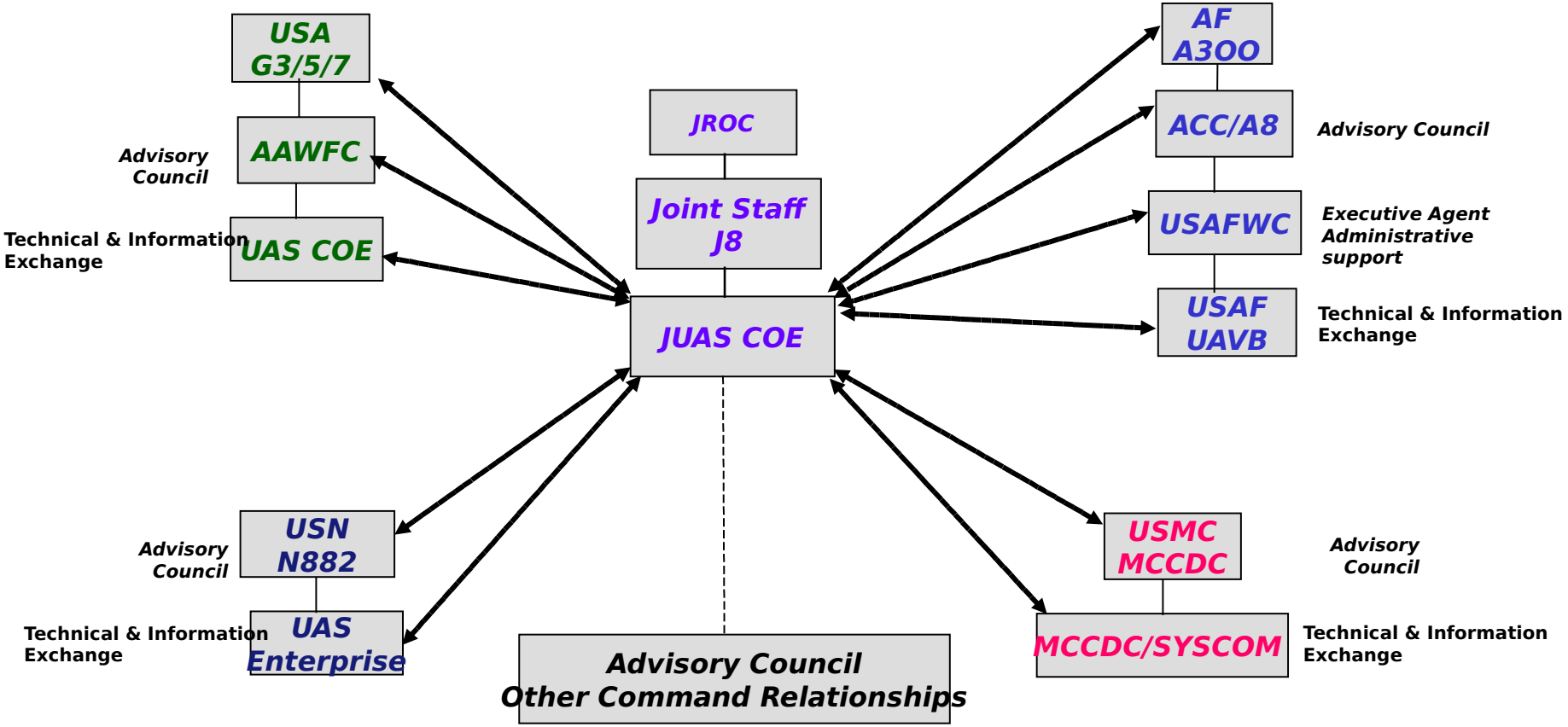
Current programmed inbound personnel:

- **USN: 1 – O6, 1 – O5, 1 – O4, 1 – E7**
- **USA: 2 – O5**
- **USAF: 1 – O4**

These figures do not indicate final end strength, only personnel currently identified and on orders for duty at the JUAS COE by each service.

Jointly Manned Activity – 38 Military(JDAL)/6 CS/20 Ctrs (Core)
Currently in place – 20 Military,1 GS (on loan from USN), 24 Contractors, 2 USN LNO (1 GS, 1 Ctr)

Command Relationships



Advisory Council O-6 level representation from all services and COCOM

JUAS COE FY07 Actions

- **JROCM 283-05: MQ1 Orbit Demand Study.**
  - **Background:**
    - JUAS COE tasked to lead a study to determine COCOM MQ-1 orbit demand in the 2010-11 timeframe and supply results to USAF to adjust quantities and typed in POM 08.
    - Study was narrowly scoped to only look at MQ-1 demand (not a trade study or analysis of alternatives.
  - **Status:** Study presented to JROC on 16 Nov 2006.
  - **Way Ahead:** JRCOM tasker closed.

JUAS COE FY07 Actions

- **JROCM 197-05: CONOPS**
  - **Background:**
    - JROCM 197-05 tasked the JUAS COE to develop an overarching Joint Concept of Operations (CONOPS) for Joint Unmanned Aerial Systems (UAS) employment and present to JROC for endorsement.
    - Draft CONOPS Production completed Sep 06
    - Worldwide Staffing via KMDS completed in Nov 06
  - **Status:** Critical comment resolution in progress, with estimated completion on 18 Dec 06.
  - **Way Ahead:**
    - Brief to FCB Working Groups (BA, FA, C2), BA FCB in Jan 07
    - Brief JCB and JROC in Feb 07
    - Anticipate signed CONOPS by Mar 07

JUAS COE FY07 Actions

- **UAS Multi-Service Tactics, Techniques and Procedures manual**
  - **Background**
    - JUAV JT&E develops TTP for UAV operations in time sensitive operations (Artillery, CAS, AI, PR). Begins discussions with Air Land Sea Application (ALSA) for transitioning products to warfighter. (Aug 04).
    - ALSA concludes an MTTP for Tactical Employment of UAS is needed (Sep 05). Army, Air Force and Navy doctrine centers agree; USMC disagrees. ALSA meets with BG Davis to discuss if COE wants to lead effort to develop. BG Davis says COE is just forming up, but that COE would support ALSA's effort to develop the MTTP. (Sep 05)
    - ALSA conducts two working group meetings at Nellis AFB with SMEs from all services to draft document. COE provides SMEs to participate in working groups. (Nov 05 and Feb 06)
  - **Status:** MTTP for the Tactical Employment of UAS signed by commanders of TRADOC (Army) and NWDC.
  - **Way Ahead:**
    - COE has agreed to be lead agency to coordinate updates of MTTP.
    - COE determining whether there is need for a UAS JTTP.

JUAS COE FY07 Actions

- **UAS in Joint CAS Operations**
  - **Background:** JUAS COE became OPR for the Joint Close Air Support (JCAS) Executive Steering Committee's (ESC) Action Plan Issue #9 (Integration of UAS into JCAS) in Mar 06. JUAS COE's project team conducted a study resulting in development of Joint TTPs and modifications for Joint Publication 3.09-3 (JTTP for Close Air Support).
  - **Status:** JTTPs and recommended JP 3.09-3 modifications incorporated into final report. Report pending approval for submission to JCAS ESC (JFCOM J85) by 31 Dec 06.
  - **Way Ahead:** Final report, with JTTPs and recommended JP 3.09-3 modifications incorporated, submission occurred to JCAS ESC on 31 Dec 06. Final report staffing throughout JCAS community for review. Incorporate JTTPs into applicable existing Joint and Service publications.